Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- 1. (Original) A stent delivery system comprising:
 - (a) an inner catheter;
- (b) an outer catheter, said outer catheter surrounding at least a portion of the length of said inner catheter and adapted for axial movement relative to said inner catheter;
- (c) a self-expandable stent disposed between said inner catheter and said outer catheter; and
- (d) a stent restraining member disposed between said outer catheter and said self-expandable stent, said stent restraining member being dimensioned to maintain said self-expandable stent in a compressed state.
- 2. (Original) The stent delivery system as claimed in claim 1 wherein said stent restraining member is a tube surrounding said self-expandable stent.

Claims 3-6 (Canceled).

- 7. (Original) The stent delivery system as claimed in claim 2 wherein said tube is mechanically coupled to said outer catheter for axial movement.
- 8. (Original) The stent delivery system as claimed in claim 2 wherein said stent restraining member is a coil surrounding said self-expandable stent.
- 9. (Original) The stent delivery system as claimed in claim 8 wherein said coil is made from a strong, flexible material having a low coefficient of friction.

- 10. (Original) The stent delivery system as claimed in claim 9 wherein said strong, flexible material is selected from the group consisting of wire, thread and ribbon.
- 11. (Original) The stent delivery system as claimed in claim 8 wherein said coil is mechanically coupled to said outer catheter for axial movement.
- 12. (Original) The stent delivery system as claimed in claim 1 wherein said self-expandable stent is a knitted mesh of nitinol wire flexible in both the radial and longitudinal axes.
- 13. (Original) The stent delivery system as claimed in claim 1 further comprising means for deterring said self-expandable stent from sliding proximally relative to said inner catheter during deployment.
- 14. (Original) The stent delivery system as claimed in claim 13 wherein said deterring means comprises a stent engaging sleeve fixed to said inner catheter, said stent engaging sleeve being provided with projections on its outer surface adapted to engage said self-expandable stent in such a way as to deter said self-expanding stent from sliding proximally relative thereto.
- 15. (Original) The stent delivery system as claimed in claim 1 further comprising a stent engaging sleeve fixed to said inner catheter, said self-expandable stent surrounding said stent engaging sleeve, said stent engaging sleeve having an outer surface adapted to engage said self-expandable stent in such a way as to deter said self-expandable stent from sliding proximally relative thereto.

Claim 16 (Canceled).

17. (Original) The stent delivery system as claimed in claim 1 further comprising a sleeve holding member, said sleeve holding member being fixed to said inner catheter and being secured to the proximal end of said stent restraining member.

- 18. (Original) A stent delivery system comprising:
 - (a) an inner catheter;
- (b) an outer catheter, said outer catheter surrounding at least a portion of the length of said inner catheter and adapted for axial movement relative to said inner catheter; and
- (c) a self-expandable stent disposed between said inner catheter and said outer catheter, said self-expandable stent being flexible in both the radial and longitudinal axes, said self-expandable stent being held in a compressed state by said outer catheter.
- 19. (Original) The stent delivery system as claimed in claim 18 wherein said self-expandable stent is a knitted mesh of nitinol wire coaxially mounted on said inner catheter.
- 20. (Original) The stent delivery system as claimed in claim 19 further comprising means for deterring said self-expandable stent from sliding proximally relative to said inner catheter during deployment.
- 21. (Original) The stent delivery system as claimed in claim 20 wherein said deterring means comprises a stent engaging sleeve fixed to said inner catheter, said stent engaging sleeve being provided with projections on its outer surface adapted to engage said self-expandable stent in such a way as to deter said self-expanding stent from sliding proximally relative thereto.
- 22. (Original) The stent delivery system as claimed in claim 19 further comprising a stent engaging sleeve fixed to said inner catheter, said self-expandable stent surrounding said stent engaging sleeve, said stent engaging sleeve having an outer surface adapted to engage said self-expandable stent in such a way as to deter said self-expandable stent from sliding proximally relative thereto.

- 23. (Original) A method of manufacturing a stent delivery system, said method comprising the steps of:
 - (a) providing an inner catheter;
 - (b) compressing a self-expandable stent over said inner catheter;
- (c) while said self-expandable stent is in a compressed state, positioning a braided tube around said inner catheter and said self-expandable stent, said braided tube being dimensioned to maintain said self-expandable stent in said compressed state; and
- (d) positioning an outer catheter around said braided tube, said outer catheter being adapted for axial movement relative to said inner catheter.
- 24. (Original) The method as claimed in claim 23 wherein said braided tube positioning step comprises forming a braided tube over said self-expandable stent and said inner catheter.
- 25. (Original) The method as claimed in claim 24 further comprising mechanically coupling said outer catheter to said braided tube for axial movement.
- 26. (Original) The method as claimed in claim 25 wherein said inner catheter and said self-expandable stent are coaxially disposed, wherein said self-expandable stent is flexible in both the longitudinal and radial axes and wherein said compressing step comprises stretching said self-expandable stent longitudinally.
- 27. (Original) The method as claimed in claim 26 wherein said outer catheter is a solid tube, said outer catheter positioning step comprising sliding said outer catheter over said braided tube.
- 28. (Original) The method as claimed in claim 26 wherein said outer catheter is provided with a longitudinal slit extending at least a part of the length thereof, said method further comprising, after said outer catheter positioning step, the step of sealing said longitudinal slit.

- 29. (Original) The method as claimed in claim 23 wherein said braided tube positioning step comprises sliding a pre-formed braided tube over said inner catheter and said self-expandable stent.
- 30. (Original) The method as claimed in claim 29 further comprising mechanically coupling said outer catheter to said braided tube for axial movement.
- 31. (Original) The method as claimed in claim 30 wherein said inner catheter and said self-expandable stent are coaxially disposed, wherein said self-expandable stent is flexible in both the longitudinal and radial axes and wherein said compressing step comprises stretching said self-expandable stent longitudinally.
 - 32. (Original) The method as claimed in claim 31 wherein said outer catheter is a solid tube.
- 33. (Original) The method as claimed in claim 32 further comprising, before said outer catheter positioning step, the steps of fixing a braid holding sleeve to said inner catheter and securing the proximal end of said braided tube to said braid holding sleeve.
- 34. (Original) The method as claimed in claim 31 further comprising, before said compressing step, the step of fixing a stent engaging sleeve to said inner catheter, said self-expandable stent surrounding said stent engaging sleeve, said stent engaging sleeve having an outer surface adapted to engage said self-expandable stent in such a way as to deter said self-expandable stent from sliding proximally relative thereto.
- 35. (Original) A method of manufacturing a stent delivery system, said method comprising the steps of:
 - (a) providing an inner catheter;
 - (b) compressing a self-expandable stent over said inner catheter;

- (c) while said self-expandable stent is in a compressed state, wrapping a helical restraint around said inner catheter and said self-expandable stent, said helical restraint being dimensioned to maintain said self-expandable stent in said compressed state; and
- (d) positioning an outer catheter around said helical restraint, said outer catheter being adapted for axial movement relative to said inner catheter.
- 36. (Original) The method as claimed in claim 35 wherein said helical restraint is a made from a strong, flexible filamentary or ribbon-like material having a low coefficient of friction.
- 37. (Original) The method as claimed in claim 36 further comprising the step of mechanically coupling said outer catheter to said helical restraint for axial movement.
- 38. (Original) The method as claimed in claim 37 wherein said inner catheter and said self-expandable stent are coaxially disposed, wherein said self-expandable stent is flexible in both the longitudinal and radial axes and wherein said compressing step comprises stretching said self-expandable stent longitudinally.
- 39. (Original) The method as claimed in claim 38 wherein said outer catheter is provided with a longitudinal slit extending at least a part of the length thereof, said method further comprising, after said outer catheter positioning step, the step of sealing said longitudinal slit.
- 40. (Original) The method as claimed in claim 39 further comprising, before said compressing step, the step of fixing a stent engaging sleeve to said inner catheter, said self-expandable stent surrounding said stent engaging sleeve, said stent engaging sleeve having an outer surface adapted to engage said self-expandable stent in such a way as to deter said self-expandable stent from sliding proximally relative thereto.

- 41. (Original) A method of manufacturing a stent delivery system, said method comprising the steps of:
 - (a) providing an inner catheter;
- (b) compressing a self-expandable stent over said inner catheter, said self-expandable stent being flexible in both the radial and longitudinal axes; and
- (c) positioning an outer catheter around said self-expandable stent, said outer catheter being adapted for axial movement relative to said inner catheter and being dimensioned to maintain said self-expandable stent in a compressed state.
- 42. (Original) The method as claimed in claim 41 wherein said self-expandable stent is a knitted mesh of nitinol wire.
- 43. (Original) The method as claimed in claim 41 wherein said outer catheter is provided with a longitudinal slit extending at least a part of the length thereof, said method further comprising, after said outer catheter positioning step, the step of sealing said longitudinal slit.
- 44. (Original) The method as claimed in claim 43 further comprising, before said compressing step, the step of fixing a stent engaging sleeve to said inner catheter, said self-expandable stent surrounding said stent engaging sleeve, said stent engaging sleeve having an outer surface adapted to engage said self-expandable stent in such a way as to deter said self-expandable stent from sliding proximally relative thereto.